RG-P47IC10-KE7A

USER MANUAL

—RGBW 4IN1 10W7Leds Indoor Par Can

Guangzhou Geliang Lighting Technology Co.,Ltd

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1. GENERAL INFORMATION

INTRODUCTION: Congratulations, you have just purchased one of the most innovative and reliable lighting fixtures on the market today! The Par Can has been designed to perform reliably for years when the guidelines in this booklet are followed. Please read and understand the instructions in this manual carefully and thoroughly before attempting to operate this unit. This manual contains important information regarding safety protocol that must be strictly adhered to at all times.

UNPACKING: Thank you for purchasing the Par. Every Par has been thoroughly tested and has been shipped in perfect operating condition. Carefully check the shipping carton for damage that may have occurred during shipping. If the carton appears to be damaged, carefully inspect your unit for damage and be sure all accessories necessary to operate the unit have arrived intact. In the event damage has been found or parts are missing, please contact our customer support team for further instructions. Please do not return this unit to your dealer without first contacting customer support at the number listed below.

CUSTOMER SUPPORT: We provides a customer support line, to provide set up help and to answer any question should you encounter problems during your set up or initial operation. You may also visit us on the web at ***www.rigelighting.com*** for any comments or suggestions. For service related issue please contact us.

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Monday to Friday 08:00~12:00 13:30~17:30 18:30~20:30
Saturday 09:00~12:00 13:30~17:00
Note: all the rest of China's holidays!

Warning! To prevent or reduce the risk of electrical shock or fire, do not expose this unitto rain or moisture.

Caution! There are no user serviceable parts inside this unit. Do not attempt any repairs yourself, doing so will void your manufactures warranty.

Please do not discard the shipping carton in the trash. Please recycle whenever possible.

Important: Damages caused by the disregard of the instructions in this user manual are not subject to warranty.

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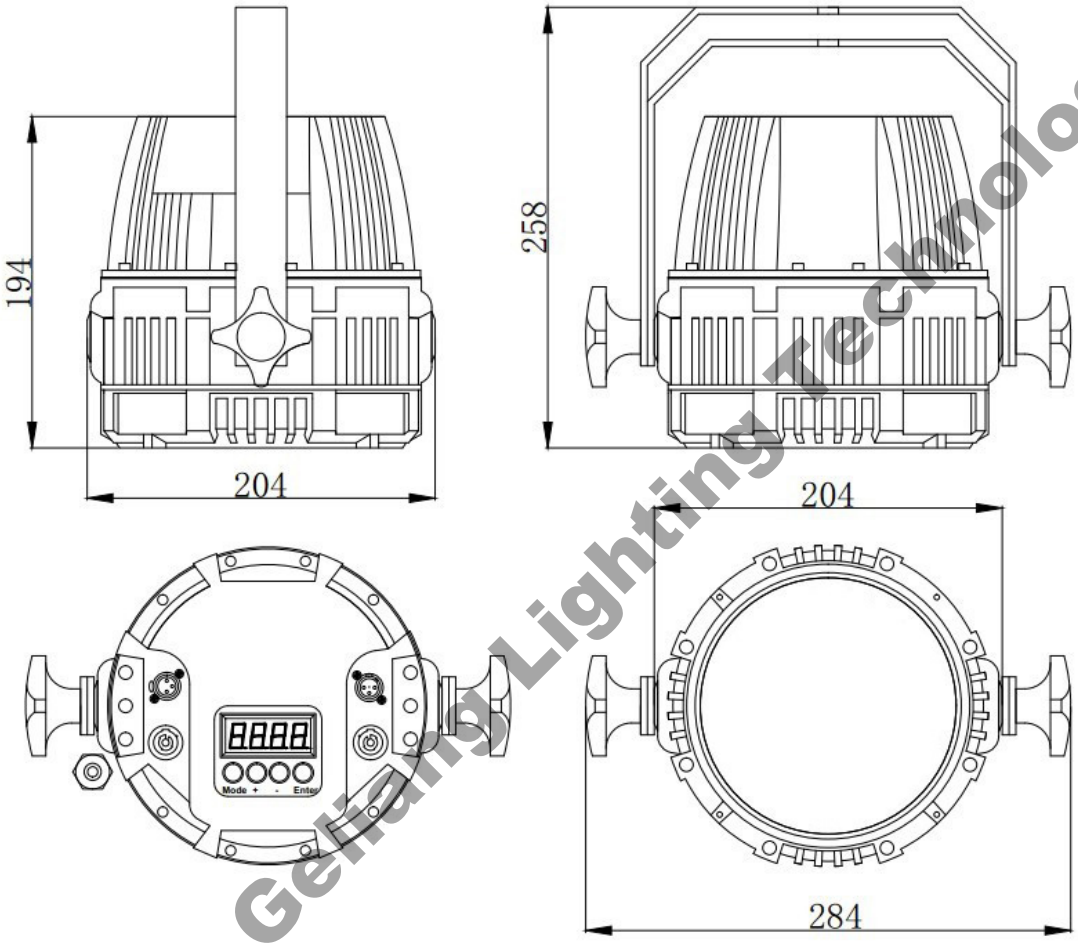
2. PACKING LIST

RGBW 4IN1 10W7Leds Indoor Par Can 1 pcs
User Manual 1 pcs
Power cable 1 pcs
3-XLR signal cable 1 pcs

3. SCHEMATIC DIAGRAM



4. PRODUCT FEATURES

Unlimited programming effects
Professional color mixing
Soft light effect
High power Led 10W /pcs RGBW 4IN1
32-bit color (16.7 million color combinations)
Protection class ***IP43***
Dual hanging bars ,firm and secure
Die cast aluminum fixture body
Quick and easy installation
Sealed for long, durable lifetime
Indoors use

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5. TECHNICAL SPECIFICATIONS

Main Color	Black
Main Material	Dia cast aluminum
body:Dia cast aluminum , glass plane , Plastic knobs	
Control Mode	
Automatic run mode, DMX-512 mode, Sound active mode	
DMX Channels	9 DMX Channels
Gray Level	256 level
LEDs	
RGBW 4in1 10W/pcs total 7pcs	
Service Life	50000 Hrs
Beam angle	25°
Protect Level	IP43
Power supply	
Power Requirements	AC100-240V 50/60HZ DC:24V 4A
Power Consumption	70 Watts
Working Temperature	
-25℃ ~+45℃	
Weights and Measures	
width	8" / 204mm
length	8" / 204mm , 11.2" / 284mm (including dual hanging bars)
heigth	7.6" / 194mm , 10.2" /258mm (including dual hanging bars)
Net Weight	4.5kg
Cross Weight	5.5kg

6. MOUNTING AND INSTALLATION

Cautions:

For added protection mount the fixtures in areas outside walking paths, seating areas, or in areas were the fixture might be reached by unauthorized personal.

Before mounting the fixture to any surface, make sure that the installation area can hold a minimum point load of 10 times the device's weight.

Fixture installation must always be secured with a secondary safety attachment, such as an appropriate safety cable.

Never stand directly below the device when mounting, removing, or servicing the fixture.

CAUTION!
Be sure a qualified electrician performs all electrical connections.

The Par is fully operational in two different mounting positions, hanging upside-down from a ceiling, or set on a flat level surface (see illustration on next page). Be sure this fixture is

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kept at least 0.5m away from any flammable materials (decoration etc.). Always use and install the supplied safety cable as a safety measure to prevent accidental damage and/or injury in the event the clamp fails.

Mounting points

Overhead mounting requires extensive experience, including amongst others calculating working load limits, a fine knowledge of the installation material being used, and periodic safety inspection of all installation material and the fixture. If you lack these qualifications, do not attempt the installation yourself. Improper installation can result in bodily injury.

Be sure to complete all rigging and installation procedures before connecting the main power cord to the appropriate wall outlet.

7. UNDERSTANDING DMX

DMX-512: DMX is short for Digital Multiplex. This is a universal protocol used by most lighting and controller manufactures as a form of communication between intelligent fixtures and controllers. DMX allows all makes and models of different manufactures to be linked together and operate from a single controller. This is possible as long as all the fixtures and the controller are DMX compliant. A DMX controller sends the DMX data instructions to the fixture allowing the user to control the different aspects of an intelligent light. DMX data is sent out as serial data that travels from fixture to fixture via data “IN” and data “OUT” XLR terminals located on the fixtures (most controllers will only have output jacks).

DMX Linking: To ensure proper DMX data transmission, always use proper DMX cables and a terminator. When using several DMX fixtures try to use the shortest cable path possible. Never split a DMX line with a “Y” style connector. The order in which the fixtures are connected in a DMX line does not influence the DMX addressing. For example; a fixture assigned a DMX address of 1 may be placed anywhere in the DMX chain, at the beginning, at the end, or anywhere in the middle. The DMX controller knows to send data assigned to address 1 to that fixture no matter where it is located in the DMX chain. The Par can be controlled via DMX-512 protocol. The Par is a 9-channel DMX fixture. The DMX address is set electronically using the controls on the LED menu.

Data Cable (DMX Cable) Requirements (For DMX and Master/Slave Operation): Your fixture and your DMX controller require a standard 3-pin or 5-pin XLR connector for data input and data output (the figure on the next page is of a 3-Pin XLR connector). If you are making your own cables, be sure to use two conductor shielded digital DMX cable rated at 120 ohms; this cable is designed for DMX transmission and may be purchased from your Elation dealer or at most professional lighting retailers. Your cables should be made with a male and female XLR connector on either end of the cable. Also, remember that a DMX line must be daisy chained and cannot be split, unless using an approved DMX splitter .

Be sure to follow the above figure when making your own cables. Do not use the ground lug on the XLR connector. Do not connect the cable’s shield conductor to the ground lug or allow the shield conductor to come in contact with the XLR’s outer casing. Grounding the shield could cause a short circuit and erratic behavior.

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DMX-512 control connection

Connect the provided XLR cable to the female 3-pin XLR output of your controller and the other side to the male 3-pin XLR input of the fixture. You can chain multiple fixture together through serial linking. The cable that should be used is two conductor, shielded DMX cable with XLR input and output connectors. Always be sure daisy chain your in and out data connections, never split or “Y” your DMX connections unless you are using an approved DMX splitter

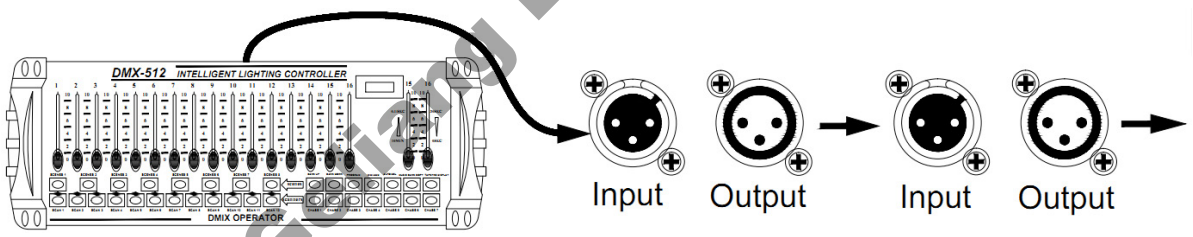
Fixture DMX addressing

All fixtures should be given a DMX starting address when using a DMX controller, so the correct fixture responds to the correct control signal. This digital starting address is the channel number from which the fixture starts to “listen” to the digital control information sent out from the DMX controller. The allocation of this starting DMX address is achieved by setting the correct DMX address on the digital display located on the base of the fixture.

You can set the same starting address for all fixtures or a group of fixtures, or set different address for each individual fixture. Be advised that setting all you fixtures to the same DMX address will subsequently control all fixtures in the same fashion, in other words, changing the settings of one channel will affect all the fixtures simultaneously.

If you set each fixture to a different DMX address, each unit will start to “listen” to the channel number you have set, based on the quantity of control channels (DMX channels) of each fixture. That means changing the settings of one channel will only affect the selected fixture.

In the case of the Par , which is a 9 channel fixture, you should set the starting DMX address of the first unit to 1, the second unit to 10 (9 + 1), the third unit to 19 (10 + 9), and so on.



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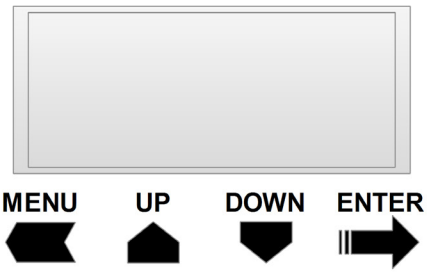
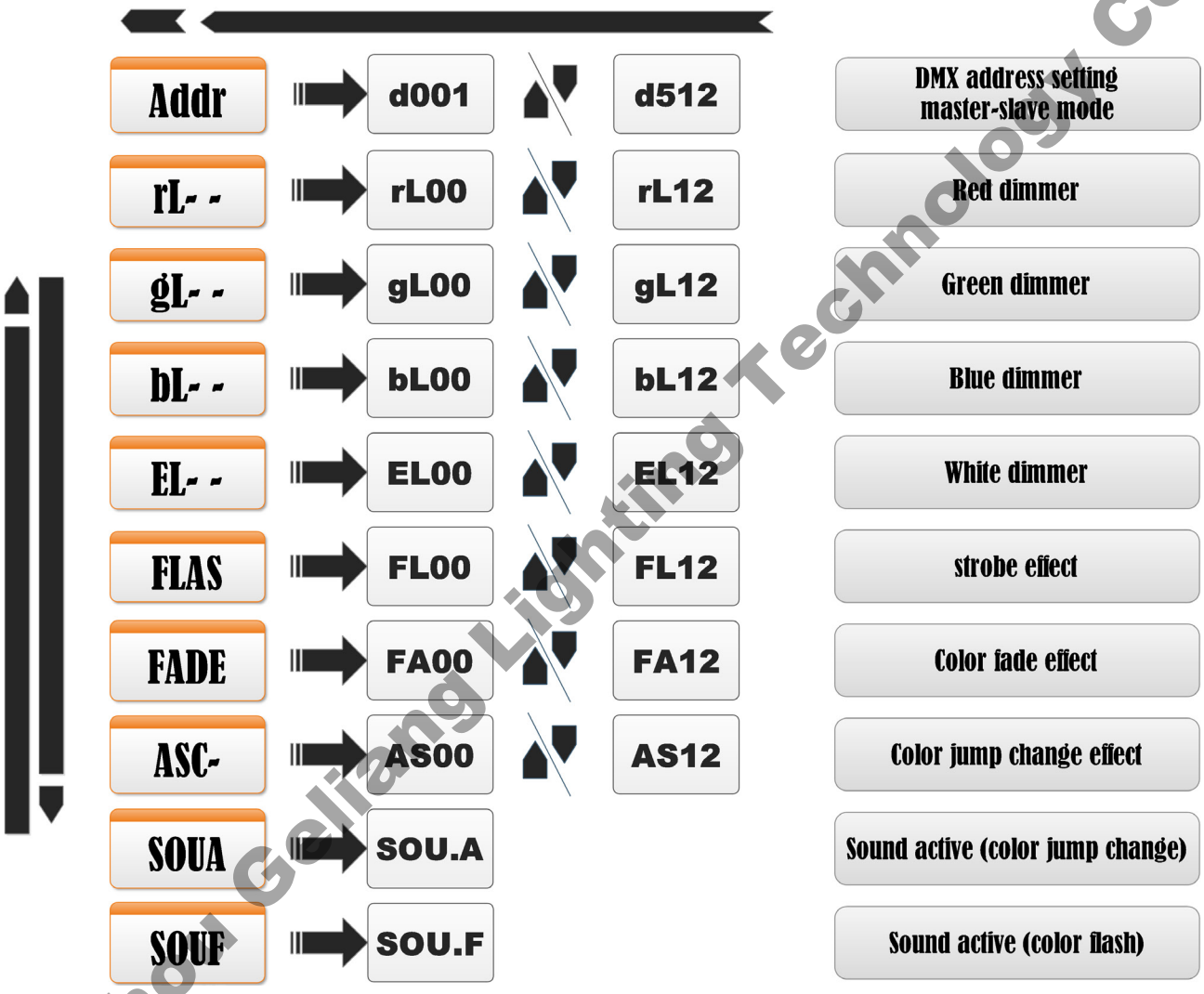
8. CONTROL BOARD



KEY instruction

"MENU"/"Mode":	return the upper menu
"UP"/"+":	add value or choose the previous value
"DOWN"/"-":	decrease value or choose the next value
"ENTER":	Enter the sub menu or saved the setting.



8.1 ADDR

This function is used to set or adjust the fixture's starting DMX address. Every device controlled by DMX has to have a unique starting address. The addressing feature is what allows DMX to function properly. The DMX address of a fixture is what allows it to communicate with a controller properly. The DMX addressing also allows the fixture to ignore any DMX information coming from the controller that is not meant specifically for the fixture. Because each fixture is connected in a daisy-chain fashion it is imperative to assign a proper and unique starting DMX address to each and every fixture. The DMX address is non-destructive and will remain in the fixture's memory even when the power to the unit is switched off. Memory is backed-up and retain by an internal power source . For proper DMX addressing see Section 7/Page5 of this user manual.

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8.2 Automatic Mode

This function including ***FLAS,FADE,ACS-***,three modes,which allows the internal programs to run in either stand-alone or master-salve mode.

8.3 Sound Control Mode

This function allows you to control the fixture via the sound with two different effect.

8.4 Synchronization mode (Master-slave mode)

In “Master” mode the fixture will send DMX data to other fixtures connect via the DMX chain. Please follow this way to set Master-slave mode:
Master:Automatic Mode or Sound Control Mode
Slave:address setting is ***"d001"***.

9. DMX CHANNEL TRAITS

Channel	***Value***	***Function***
CH1	0-255	Total Dimmer (0-100%)
CH2	0-255	Red dimmer (0-100%)
CH3	0-255	Green dimmer (0-100%)
CH4	0-255	Blue dimmer (0-100%)
CH5	0-255	White dimmer (0-100%)
CH6	0	Close
	1-255	Strobe effect (slow-fast)
CH7	0	Close
	1-255	Color fade effect (slow-fast)
CH8	0	Close
	1-255	Color jump change effect (slow-fast)
CH9	0	Close
	1-128	Sound active mode (color jump change)
	129-255	sound active mode (flash)

10. MAINTENANCE AND CLEANING

10.1 The following points have to be considered during the inspection:

2. All screws for installing the devices or parts of the device have to be tightly connected and must not be corroded.
3. There must not be any deformations on the housing .color lenses, fixations and installation spots.
4. Mechanically moved parts must not show any traces of wearing and must not rotate with unbalances.
5. The electric power supply cables must not show any damage, material fatigue or sediments.

Further instructions depending on the installation spot and usage have to be adhering by a skilled installer and any safety problems have to be removed.

In order to make the fixture in good condition and extend the life time .we suggest a regular

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cleaning to the fixture

1. Clean the inside and outside lens each week to avoid the weakness of the lights due to accumulation of dust.
2. A detailed electric check by approved electrical engineer each three months, make sure that the circuit contacts are in good condition, prevent the poor contact of circuit from overheating.

We recommend a frequent cleaning of the device please use a moist , lint-free cloth . Never use alcohol or solvents
There are no serviceable parts inside the device please refer to the instructions under “installation instructions”.

11. 1-YEAR LIMITED WARRANTY

- A. Hereby warrants, to the original purchaser, our products to be free of manufacturing defects in material and workmanship for a period of one years, (365 days) from the date of purchase.

- B. For warranty service, send the product only to the our factory. All shipping charges must be pre-paid. If the entire instrument is sent, it must be shipped in its original package. No accessories should be shipped with the product. If any accessories are shipped with the product, we shall have no liability what so ever for loss of or damage to any such accessories, nor for the safe return thereof.

- C. This warranty is void if the product is modified in any manner which we concludes, after inspection, affects the reliability of the product; if the product has been repaired or serviced by anyone other than the our factory unless prior written authorization was issued to purchaser by us; if the product is damaged because not properly maintained as set forth in the instruction manual.

- D. This is not a service contract, and this warranty does not include maintenance, cleaning or periodic check-up. During the period specified above, we will replace defective parts at its expense, and will absorb all expenses for warranty service and repair labor by reason of defects in material or workmanship. The sole responsibility of us under this warranty shall be limited to the repair of the product, or replacement thereof, including parts, at the sole discretion of us.

- E. Our company reserves the right to make changes in design and/or improvements upon its products without any obligation to include these changes in any products theretofore manufactured.

- F. No warranty, whether expressed or implied, is given or made with respect to any accessory supplied with products described above. Except to the extent prohibited by applicable law, all implied warranties made by us in connection with this product, including warranties of merchantability or fitness, are limited in duration to the warranty period set forth above. And no warranties, whether expressed or implied, including warranties of merchantability or fitness, shall apply to this product after said period has expired. The consumer’s and or Dealer’s sole remedy shall be such repair or replacement as is expressly provided above; and under no circumstances shall we be liable for any loss or damage, direct or

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consequential, arising out of the use of, or inability to use, this product.

- G. This warranty is the only written warranty applicable to our products and supersedes all prior warranties and written descriptions of warranty terms and conditions heretofore published.

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